

## EAST Search History

/DC/ - 6/13/2008

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20040082668").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/13 10:12
L2	546	(516/53,54).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/06/13 10:31
L3	6	quaternary and (electrolyte cationic anionic charged salt) and (water adj in adj oil) and polymer and (solvent organic) and soften\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:34
L4	26	quaternary and (electrolyte cationic anionic charged salt) and (water adj in adj oil) and polymer and (solvent organic) and (high adj molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:37
L5	27	quaternary and (electrolyte cationic anionic charged salt) and (water adj in adj oil) and polymer and (solvent organic) and spray\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:38
L6	16	quaternary and (electrolyte cationic anionic charged salt) and (water adj in adj oil) and (solvent organic) and (polymer with (dispersed internal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:42
L7	49	(I3 I4 I5 I6)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:47
L8	0	I7 and (spray adj fracture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:47
L9	57	(("oil in water" or oil-in-water) near2 emulsion) with soften\$3 and (tissue or paper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:48
L10	2	L9 and (spray adj fracture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 10:48

## EAST Search History

S1	62	("3301746" "3473576" "3573164" "3700623" "3772076" "3812000" "3821068" "3934005" "3974025" "4011389" "4191609" "4208459" "4239065" "4266962" "4300981" "4413087" "4447413" "4510081" "4528239" "4637859" "4874465" "4971714" "4981557" "5059282" "5215626" "5221435" "5228954" "5246545" "5264082" "5405499" "5415737" "5487813" "5499198" "5510000" "5525345" "5525575" "5538595" "5543067" "5573637" "5611890" "5637743" "5656132" "5750492" "5753079" "5800675" "5814188" "6040071" "6103793" "6146648" "6162329" "6214771" "6228223" "6420013" "6547928" "0006676").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 12:06
S2	22	(("6179691") or ("6261580") or ("6420013") or ("5611890") or ("5405499") or ("5487813") or ("5635028") or ("5958185") or ("5679218") or ("5672249") or ("5700352") or ("5865950") or ("6126784") or ("6797117") or ("6458450") or ("6579416") or ("6547928") or ("6755939") or ("6855229") or ("6547928") or ("5468398") or ("6458343") or ("6607637")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/09/20 10:56
S3	79	S1 or S2	USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 11:20
S4	8558	(162/100,109,111,112,113,123,135,158,163,164.1,164.6,164.7,168.1,168.3,168.2,168.7,181.1,181.2,183,184,181.3,202,204).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/20 11:22
S5	5162	(252/8.63,8.81,8.86,175,180,181).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/20 11:22
S6	0	("l3orl4orl5").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/09/20 11:23
S7	13717	S3 or S4 or S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 11:41

## EAST Search History

S8	14931	((emulsion or suspension) with (oil-in-water or "oil in water")) and ((emulsion or suspension) with (water-in-oil or "water in oil"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 11:44
S9	62	S8 and electrolyte and ("high MW" or "high molecular weight") near2 polymer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 12:42
S10	28	S9 and inver\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 13:15
S11	22	(("4960764") or ("4254105") or ("4976953") or ("5073372") or ("5447644") or ("3681241") or ("4497716") or ("5929025") or ("6040071") or ("6162329") or ("6420013") or ("3284393") or ("3826771") or ("3624019") or ("4418237") or ("3259570") or ("3171805")).PN.	USPAT; USOCR	OR	OFF	2005/09/20 13:17
S12	84	S11 or S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 13:28
S13	870	("bilayer disrupter" or emulsifier or "nonionic surfactant") and plasticizer and "rheology modifier" or "viscosity modifier" and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 13:30
S14	46	("bilayer disrupter" or emulsifier or "nonionic surfactant") and plasticizer and ("rheology modifier" or "viscosity modifier") and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/09/20 13:31
S15	1	("4745154").PN.	USPAT; USOCR	OR	OFF	2005/09/21 14:22
S16	0	spray and viscosity and "high molecular weight polymer" and "oil\$1in\$1water" and (invert or reverse or inverse)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/04 08:42
S17	1901	spray and viscosity and "high molecular weight polymer"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/04 08:42

## EAST Search History

S18	208	S17 and (oil-in-water or "oil in water" or "water in oil" or water-in-oil)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/26 13:53
S19	48	S18 and soften\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/04 08:44
S20	1379462	S19 and tissue or paper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/04 08:44
S21	36	S19 and (tissue or paper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/04 08:58
S22	49	(("oil in water" or oil-in-water) near2 emulsion) with soften\$3 and (tissue or paper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/02/04 09:00
S23	1	("20040082668").PN.	US-PGPUB	OR	OFF	2007/08/22 09:30
S24	776	(oil-in-water or "oil in water") with ("water in oil" or water-in-oil) with inver\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/17 08:54
S25	0	S24 and into	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/17 08:54
S26	446	(oil-in-water or "oil in water") with ("water in oil" or water-in-oil) with polymer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/17 08:54
S27	265	S26 and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/17 08:55
S28	28	(polyacrylic adj acid) with (charge adj density)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 11:21

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S29	68	(polyethyleneimine) with (charge adj density)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/01 11:21
S30	1	wo-200248458-\$ did.	EPO; DERWENT	OR	ON	2007/08/22 09:31
S31	1	("20020112831").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/22 09:31
S32	22	(("6179691") or ("6261580") or ("6420013") or ("5611890") or ("5405499") or ("5487813") or ("5635028") or ("5958185") or ("5679218") or ("5672249") or ("5700352") or ("5865950") or ("6126784") or ("6797117") or ("6458450") or ("6579416") or ("6547928") or ("6755939") or ("6855229") or ("6547928") or ("5468398") or ("6458343") or ("6607637")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/22 09:34
S33	52	("3301746"   "3473576"   "3573164"   "3700623"   "3772076"   "3812000"   "3821068"   "3974025"   "4011389"   "4191609"   "4208459"   "4239065"   "4300981"   "4528239"   "4637859"   "4874465"   "4981557"   "5059282"   "5215626"   "5221435"   "5228954"   "5246545"   "5264082"   "5405499"   "5415737"   "5487813"   "5510000"   "5525345"   "5538595"   "5543067"   "5573637"   "5611890"   "5656132"   "5753079"   "5814188"   "6162329"   "6228223").PN. OR ("6547928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 09:42
S34	7	S33 and (high near5 polymer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 09:42
S35	0	S34 and (water near2 oil)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 09:43
S36	0	S34 and (oil near2 water)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 09:43
S37	152	("2751368"   "3282874"   "3350338"   "3402137"   "3412060").PN. OR ("3624019").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 09:55
S38	74	S37 and (high near4 polymer)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 10:00
S39	75	S37 and (high adj molecular adj weight)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 10:01

## EAST Search History

S40	61	S38 and S39	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 10:03
S41	67	S39 and ((water near2 oil) or (reverse adj phase) or (inverse adj phase) or invert\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/22 11:06
S42	2	("3284393").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/08/22 11:06
S43	854	(water adj2 oil) and (polymer with emulsion with inver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 12:06
S44	415	S43 and (high adj molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 12:06
S45	184	S44 and (polymer with (dilution or weight) with inver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 12:06
S46	140	S45 and (oil adj2 water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 12:07
S47	105	S46 and (invert\$3 or inversion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 15:26
S48	61	S47 and (invert\$3 with dilut\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 12:20
S49	854	(water adj2 oil) and (polymer with emulsion with inver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 15:27
S50	415	S49 and (high adj molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 15:27

## EAST Search History

S51	184	S50 and (polymer with (dilution or weight) with inver\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 15:27
S52	140	S51 and (oil adj2 water)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 15:27
S53	19	S52 and ((invert\$3 or inversion) same conventional same dilut\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/08/22 15:27
S54	1	wo-200248458-\$ did.	EPO; DERWENT	OR	ON	2007/12/26 13:53
S55	2	(("6547928") or ("20030127206")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/12/26 13:54
S56	55	("3301746"   "3473576"   "3573164"   "3700623"   "3772076"   "3812000"   "3821068"   "3974025"   "4011389"   "4191609"   "4208459"   "4239065"   "4300981"   "4528239"   "4637859"   "4874465"   "4981557"   "5059282"   "5215626"   "5221435"   "5228954"   "5246545"   "5264082"   "5405499"   "5415737"   "5487813"   "5510000"   "5525345"   "5538595"   "5543067"   "5573637"   "5611890"   "5656132"   "5753079"   "5814188"   "6162329"   "6228223").PN. OR ("6547928").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/26 13:57